Index of Claims



Rejected

Allowed

Application/Control No.

09/916,535

WOODS, RANDALL
Art Unit

Examiner

2612

Van T. Trieu

(Through numeral) Cancelled

Restricted | | I Interference

N Non-Elected

A Appeal
O Objected

Applicant(s)/Patent under

Reexamination

| Cla                                    | Claim Date |              |         |         |  |          | 7          | Cla      | aim          | Date            |         |                        |          |          | Cla                | Date   |         |   |              |                  |           |             |               |            |          |          |          |          |          |          |              |                   |          |
|--|------------|--------------|---------|---------|--|----------|------------|----------|--------------|-----------------|---------|------------------------|----------|----------|--------------------|--|---------|---|--------------|------------------|-----------|-------------|---------------|------------|----------|----------|----------|----------|----------|----------|--------------|-------------------|----------|
| Final                                  | Original   | 12/31/01     | 7/11/02 | 1/9/07  |  |          |            |          |              |                 |         | Final                  | Original |          |                    |  |         |   |              |                  |           |             | Final         | Original   |          |          |          |          |          |          |              |                   |          |
| <u> </u>                               | 1          | <b>√</b>     | =       | =       | -  |          |            |          | +            | +               | -       | <del> </del>           | 51       |          | $\dashv$           | $\dashv$   | +       | $\dashv$  | +            | $\vdash$         | Н         |             |               | 101        | -        |          |          | -        |          | Н        | $\vdash$     |                   | $\dashv$ |
|  | 2          | 1            | =       | =       | $\Box$   |          |            |          | 1            | 1-              | 1       |                        | 52       |          |                    | $\neg$   | $\top$  | T   | 1            | Ħ                | П         |             |               | 102        |          |          |          | П        |          |          |              | コ                 |          |
|  | 3          | 1            | =       | =       | $\exists$                                      |          |            | $\vdash$ |              | T               | 1       | <u> </u>               | 53       |          |                    | T  | $\top$  | T   |              | Ħ                | Н         |             |               | 103        |          |          |          | П        |          |          |              | $\dashv$          |          |
|  | 4          | 1            | =       | =       | $\neg$   |          |            | İ        | T            | T               | 1       |                        | 54       |          | $\neg$             | 十  | 7       | 十   | $\neg$       | 17               | П         |             |               | 104        | _        |          | _        | П        |          | П        | $\Box$       | $\neg$            |          |
|  | 5          | 1            | =       | =       |  |          |            |          |              |                 | 1       |                        | 55       |          |                    | 7  | T       | T   | $\top$       | $\Box$           | П         |             |               | 105        |          |          |          | П        |          | П        | П            | コ                 |          |
|  | 6          | 7            | =       | =       | Ī  |          |            |          | T            |                 | 1       |                        | 56       |          |                    | T  | T       |   |              | П                |           |             |               | 106        |          |          |          | П        |          | П        | П            | ヿ                 |          |
|  | 7          | 1            | =       | =       |  |          |            |          |              | Π               | 1       |                        | 57       |          |                    |  | T       | T   | $\top$       |                  |           |             | İ             | 107        |          |          |          | П        |          | П        | П            | $\neg$            |          |
|  | 8          | 7            | =       | =       |  |          |            |          | Π            | Т               | 7       |                        | 58       |          |                    |  |         |   |              | 1                |           |             |               | 108        |          |          |          | П        |          | П        | П            | $\neg$            |          |
|  | 9          | 1            | =       | =       |  |          |            |          |              |                 |         |                        | 59       |          |                    |  |         |   |              |                  |           |             |               | 109        |          |          |          |          |          | П        |              |                   |          |
|  | 10         | √            | =       | =       |  |          |            |          |              |                 |         |                        | 60       |          |                    |  | $\perp$ |   |              |                  |           |             |               | 110        |          |          |          |          |          |          |              | $\Box$            |          |
|  | 11         | 1            | =       | =       |  |          |            |          |              |                 |         |                        | 61       |          |                    |  |         |   |              |                  |           |             |               | 111        |          |          |          |          |          |          |              |                   |          |
| <u></u>                                | 12         | 1            | =       | =       |  |          | <u>L</u> , |          | L            |                 |         |                        | 62       |          | $\Box$             |  |         |   |              |                  |           |             |               | 112        |          |          |          |          |          |          |              | $\Box$            |          |
| <u></u>                                | 13         | 1            | =       | =       | _  |          |            | L_       | $oxed{oxed}$ | 1_              | 1       |                        | 63       | Ш        |                    |  | 1       | [_  |              | $oxed{oxed}$     |           |             |               | 113        |          | $\Box$   |          | Ш        |          | Ш        | Ш            |                   | _]       |
| <u> </u>                               | 14         | <b>√</b>     | =       | =       | ļ  |          |            | <u> </u> | <u> </u>     | $\perp$         | 4       | <u> </u>               | 64       | Ш        |                    |  | _ _     |   | _            | $\sqcup$         | Щ         |             |               | 114        |          |          |          | Ш        |          |          |              | $ \bot $          |          |
| <u> </u>                               | 15         | <b>√</b>     | =       | =       | _  | _        |            | <u> </u> | 1            | 1               | 4       | <u> </u>               | 65       | Ш        |                    | _  | $\perp$ | $\perp$   | $\perp$      | $\sqcup$         | Щ         |             |               | 115        | $\Box$   | ļ        |          | Ш        | Ш        | Ш        | $\square$    |                   |          |
|  | 16         | 1            | =       | =       |  |          |            | <u> </u> | ļ            | $\perp$         | 4       | <u></u>                | 66       | Ш        | ļ                  | $\perp$  | $\perp$ |   | _            | $\sqcup$         | $\Box$    |             |               | 116        |          |          |          | Ш        | Ш        |          | $\sqcup$     |                   |          |
| L                                      | 17         | <b>1</b>     | =       | =       | _  |          |            | ļ        | <u> </u>     | <del> </del>    | 1       | Ш                      | 67       | Ш        | _                  | _  | _ _     | _   | 4            |                  |           |             |               | 117        |          |          |          | Ш        |          | Щ        | Ц            |                   | Щ        |
|  | 18         | <b>√</b>     | =       | =       | _  | _        |            | <u> </u> | L            | $oxed{oxed}$    |         |                        | 68       |          | _                  |  | 4       | $\perp$   |              |                  | _         |             |               | 118        |          |          | - :      | Ш        |          | Ш        | $\sqcup$     | _                 | _        |
|  | 19         | √.           | =       | =       | _  | _        |            | <u> </u> | <u> </u>     | _               |         |                        | 69       |          |                    |  | _       | 4   |              | Ш                | _         |             |               | 119        | _        | _        |          |          |          | Ш        | $\square$    | _                 | _        |
|  | 20         | <b>√</b>     | =       | =       | _  | _        |            | _        | _            | ╙               | 1       |                        | 70       | Ш        | _                  | _  | _       | _   | $\perp$      | Ш                | _         |             |               | 120        | _        | _        |          | Ш        |          | Ш        | $\sqcup$     | _                 | _        |
|  | 21         | <b>√</b>     | =       | =       | _  | _        |            |          | _            | <u> </u>        | 1       |                        | 71       |          |                    |  | ┸       | _   |              | $\sqcup$         |           |             |               | 121        | _        | _        |          | Ш        | _        |          |              | _                 |          |
|  | 22         | 1            | =       | =       | _  | _        |            |          | <u> </u>     | _               |         |                        | 72       |          |                    | $\perp$  | _       | $\perp$   | _            | $\sqcup$         |           |             |               | 122        | _        | _        |          | Ш        |          | _        |              | _                 |          |
|  | 23         | 1            | .=      | =       | _  | _        |            | -        | ┡            | ├               | 4       | <u> </u>               | 73       | $\sqcup$ | _                  |  | 4       | _   | -            | $\sqcup$         | _         |             |               | 123        | _        | 4        |          |          | _        | ⊢⊢       |              | _                 |          |
|  | 24         | <b>√</b>     | =       | =       |  |          |            | _        | -            | ╀               | 1       |                        | 74       | $\sqcup$ | _                  | _  | 4-      | - -   |              | $\square$        | _         | -           |               | 124        |          |          |          | Ш        | _        | $\vdash$ | $\vdash$     | $\dashv$          |          |
|  | 25         | √<br>√       | =       | =       | +  |          |            |          | ┡            | ┢               | ł       | $\vdash \vdash \vdash$ | 75       | $\vdash$ | $\dashv$           | _  | +       |   | _            | 1                |           | -           |               | 125        | -        |          |          | $\dashv$ | $\dashv$ | $\dashv$ | _            | $\dashv$          |          |
|  | 26<br>27   | <del>\</del> | =       | =       | $\dashv$                                       |          |            |          | -            | ╁               |         |                        | 76<br>77 | $\vdash$ | -                  | _  | +       | +   | -            | ╂┷┤              |           |             |               | 126        | $\dashv$ | -        |          | $\vdash$ |          | $\dashv$ | $\dashv$     | $\dashv$          | _        |
|  | 28         | <del>\</del> | Ξ       | =       | ╛  |          | -          | -        | ├            | ╁               | 1       |                        | 78       |          |                    |  | +       | +   | +            | <del>  -  </del> |           | -           |               | 127        | $\dashv$ |          |          |          | $\dashv$ | $\vdash$ | $\dashv$     | $\dashv$          | 긕        |
| <b></b>                                | 29         | V            | =       | =       | $\dashv$                                       | -        |            | $\vdash$ | ┢            | ╁               | 1       | $\vdash$               | 79       | -        | $\dashv$           | $\dashv$   | +       |   |              | ╁┼               | -         |             |               | 128<br>129 | -        |          | -        | $\vdash$ |          |          | $\dashv$     | $\dashv$          | {        |
|  | 30         | Ť            | ╗       | =       | -+   | -        |            |          | ╁            | 1               | 1       | <del>  </del>          | 80       | $\dashv$ | $\dashv$           | $\dashv$   |         | +   | +            | $\vdash$         | $\dashv$  |             | $\rightarrow$ | 130        |          |          |          | $\vdash$ |          | $\vdash$ | $\dashv$     | $\dashv$          | $\dashv$ |
|  | 31         | -1           | =       | =       |  | -        | -          |          | $\vdash$     | $\vdash$        | 1       | -                      | 81       | H        | $\dashv$           |  | +       | +   | +            | $\vdash$         | $\dashv$  | ŀ           |               | 131        | $\dashv$ | $\dashv$ | -        | $\dashv$ |          |          | $\dashv$     | $\dashv$          | $\dashv$ |
| H                                      | 32         | $\dashv$     | =       | ╗       | $\dashv$                                       |          |            |          |              | +-              | 1       | $\vdash$               | 82       | $\dashv$ | $\dashv$           |  | +       | +   | +            | +                | $\dashv$  | 1           | -+            | 132        | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$          | ⊣        |
|  | 33         | -            | =       | =       | $\dashv$                                       | $\dashv$ | $\dashv$   |          | -            | 1-              |         |                        | 83       |          | -                  | $\dashv$   | +       | +   | ╅            | +                | $\dashv$  | iii h       | $\rightarrow$ | 133        | -        | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$          | $\dashv$ |
| H                                      | 34         | $\dashv$     | =       | =       | 十  | -        |            | $\vdash$ | t            |                 | 1       |                        | 84       |          | $\dashv$           | +  | - -     | +   | -            | +                | $\dashv$  | <b></b>     |               | 134        | •        | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | +            | $\dashv$          | $\dashv$ |
| Н                                      | 35         | 1            | =       | =       | +  | _        | $\dashv$   |          |              | t               | ı       |                        | 85       | $\vdash$ | $\dashv$           | 十  | +       | +   | +            | $\vdash$         | -         | ı           |               | 135        | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$          | $\dashv$ |
|  | 36         |              | _       | _       | _  |          | _          |          |              |                 | 1::::   |                        | 86       | $\vdash$ | $\dashv$           | +  | +       | +   | +-           | +                | -         | #           |               | 136        | -1       | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$          | $\dashv$ |
| $\Box$                                 | 37         | 1            | 寸       | =       | $\dashv$                                       | 7        |            | H        | Т            | T               |         |                        | 87       | $\vdash$ | +                  | +  | +       | +   | +            | $\vdash$         | $\dashv$  |             |               | 137        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | 十            | $\dashv$          | $\dashv$ |
|  | 38         |              | 1       | =       | $\dashv$                                       | _        |            | М        | Ι_           | T               |         |                        | 88       | $\vdash$ | 1                  | $\dashv$   | +       | $\top$  | $\top$       |                  | $\dashv$  |             |               | 138        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$          | $\dashv$ |
|  | 39         |              |         | =       | 寸  | $\neg$   |            |          | Γ            |                 | 1       |                        | 89       |          | 1                  | $\top$   | _       | $\top$  | $\top$       | 17               | <b>-</b>  | <b>::::</b> |               | 139        | 一        | $\dashv$ | $\neg$   | $\dashv$ | ᅥ        | 一        | $\dashv$     | $\dashv$          | $\dashv$ |
|  | 40         |              | $\neg$  | =       |  | 一        |            |          |              |                 | 1       |                        | 90       |          | T                  | 十  | ┪       | 1   | 1            |                  | $\exists$ |             |               | 140        | $\dashv$ | 一        | $\neg$   | 寸        |          | $\neg$   | $\dashv$     | 寸                 | $\dashv$ |
|  | 41         |              |         | =       | ▔  | 丁        |            |          |              |                 |         |                        | 91       |          |                    |  | 1       | $\top$  | 7            | $\Box$           | $\neg$    |             |               | 141        |          | 7        | $\neg$   | $\dashv$ | _        | $\neg$   | $\dashv$     | $\dashv$          | $\dashv$ |
|  | 42         |              |         | =       | $\Box$   |          |            |          |              |                 |         |                        | 92       |          |                    |  |         |   |              |                  |           |             |               | 142        | 寸        | $\neg$   |          |          | T        | $\neg$   | $\dashv$     | 寸                 | $\neg$   |
|  | 43         | $\Box$       |         | =       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ |          |            |          |              |                 | <b></b> |                        | 93       |          |                    | $\Box$   |         |   | Ι            |                  |           |             |               | 143        |          | _        |          |          |          | 寸        | $\neg$       | $\neg$            |          |
|  | 44         | $\Box$       | $\Box$  | =       | $\Box$   | $\Box$   |            |          |              |                 |         |                        | 94       |          |                    |  | I       |   | I            |                  |           |             |               | 144        |          |          |          |          |          |          |              | $\exists$         | $\Box$   |
|  | 45         |              | _[      | =       |  |          |            |          |              |                 |         |                        | 95       |          | $_{\perp}$         | $oxed{\Box}$   | $\perp$ | $oldsymbol{\perp}$                                | $\perp$      |                  |           |             |               | 145        |          |          |          |          |          |          |              |                   |          |
|  | 46         | [            | [       | =       | $\perp$  | $\Box$   |            |          |              |                 |         | ]                      | 96       |          | $\Box$             |  | $\perp$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oxed{\Box}$ |                  |           |             |               | 146        | $\Box$   |          |          |          |          |          |              | 丁                 |          |
| $oxed{oxed}$                           | 47         | [            | _[      | $\perp$ |  | _[       |            |          |              |                 |         |                        | 97       |          | $oxed{\mathbb{I}}$ |  | $\perp$ | $\perp$   |              | Ш                | _]:       |             |               | 147        |          |          |          |          |          |          |              |                   |          |
| <u> </u>                               | 48         | _            |         | _       | _  | _        | $\Box$     | _        | <u> </u>     | L               |         | ot                     | 98       |          |                    | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | $\perp$ |   |              | $\Box$           | _]        |             |               | 148        | $\Box$   |          |          | $\Box$   |          |          | $oxed{\Box}$ | $oxed{oxed}$      |          |
| ota                                    | 49         | _            | _       | _       | $\bot$   | _        | _          |          | $\perp$      | 1               |         | $\sqcup \sqcup$        | 99       | ļ        | _                  | $\perp$  | _       |   |              | Ш                |           |             |               | 149        | $\prod$  | _[       | $\perp$  |          |          | $\perp$  | $\bot$       | $oldsymbol{\bot}$ | ╝        |
| $ldsymbol{ldsymbol{ldsymbol{\sqcup}}}$ | 50         |              | $\perp$ |         |  |          |            |          | L.,          | $ldsymbol{f L}$ |         |                        | 100      |          |                    | $\perp$  | $\perp$ | $\perp$   | _1_          |                  |           | [           |               | 150        |          | $\perp$  |          |          |          |          |              |                   |          |